

SECRET

2. A process according to claim 1, c h a r a c -
t e r i z e d in that the dextran before being com-
bined with the at least one ferric salt has a weight
25 mean molecular weight less than 7,000 Da.

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5 5. A process according to any of claims 1-4,
c h a r a c t e r i z e d in that the hydrogenation is
performed by means of sodium borohydride in aqueous
solution.

7. A process according to any of the preceding
claims, characterized in the following
15 steps:

adjusting the pH of said aqueous solution to a value above 10 by addition of a base;

purification and stabilization of the solution
25 using filtration, heating and membrane separations and
addition of one or more stabilizers, and

8. A process according to claim 7, c h a r a c -
30 t e r i z e d in that the stabilisation comprises
addition of at least one salt of an organic hydroxy
acid, preferably selected from citrates and gluconates.

9. A process for producing a dextran preparation,
in which process the molecular weight of a dextran is
35 reduced by hydrolysis, and functional aldehyde terminal

groups thereof converted into alcohol groups by hydrogenation; characterized in that the hydrogenation is only partial, leaving, however, at the most 15% by weight reducing sugar, calculated on the total amount of carbon hydrates, and said dextran is subsequently subjected to oxidation, said hydrogenation and oxidation being performed to obtain dextran having substantially all aldehyde groups converted into alcohol and carboxylic groups.

10 10. Iron-dextran compound produced according to claims (1-8), characterized in that its apparent peak molecular weight (Mp) is 50.000-150.000 Da, preferable 70.000-130.000, more preferable 80.000-120.000 Da and its iron content is 15-45 % b.w..

11 11. Dextran preparation obtainable by a process according to claim 9.

12. Dextran preparation according to claim 11, obtained by a process according to claim 9.

13. A pharmaceutical composition for prophylaxis or treatment of iron-deficiency by parenteral administration comprising a compound according to claim 10.

14. A pharmaceutical composition according to claim 13, characterized in that it comprises a salt of an organic hydroxy acid, preferably selected from citrates and gluconates as stabilizer.

15. Use of an iron-dextran compound according to claim 10, for preparation of a parenterally administrable therapeutical composition for prophylaxis or treatment of iron-deficiency by parenteral administration.

16. Use of an dextran preparation obtainable by a process according to claim 9, for the production of an iron-dextran compound.

ref/see memo
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